

Claims

1. A system (1) for loading and unloading loose cargo in a cargo hold (41), preferably of a plane (4), comprising

a conveyor apparatus (2) for transporting the loose cargo between a tarmac level or the like and a cargo hold opening, wherein the conveyor apparatus (2) comprises a transport organ (21) on whose transport side (24) the loose cargo lies during loading and unloading, as well as

an intermediate conveyor means (3) which rests on the transport side of the conveyor apparatus (2) in the range of a cargo hold-side end thereof and extends into the cargo hold (41) for conveying loose cargo lying on a conveying side (37) of the intermediate conveyor means (3) between the conveyor apparatus (2) and the cargo hold (41),

characterized in that

the transport organ (21) is deflected, in front of the placed-on intermediate conveyor means (3) when viewed in the direction of loading-conveying, perpendicular to the plane of transport in a direction towards the conveying side (37) of the intermediate conveyor means (3), so as to guide the loose cargo onto the conveying side (37) of the intermediate conveyor means (3).

2. The system in accordance with claim 1, characterized in that the transport organ (21) includes a conveyor belt (23) whose respective section present on the transport side (24) is deflected with the aid of a raising means (5).
3. The system in accordance with claim 2, characterized in that the raising means (5) is a bow (51; 55) which extends underneath the associated section of the conveyor belt (23).
4. The system in accordance with claim 3, characterized in that the bow (51; 55) is realized to have a curvature in the transverse direction relative to the conveying direction of the conveyor belt (23), such that a portion of the bow (51; 55) present in a center position at the conveyor belt (23) is spaced farther apart from the intermediate conveyor means (3) than the lateral portions thereof.
5. The system in accordance with claim 2, characterized in that the raising means is a roller which extends underneath the associated section of the conveyor belt (23).
6. The system in accordance with any one of claims 1 to 5, characterized in that the intermediate conveyor means (3) is placed on the transport organ (21) with the aid of a roller means (38).
7. The system in accordance with any one of claims 2 to 6, characterized in that the intermediate conveyor means (3) is placed on the conveyor apparatus (2)

so as to be displaceable in the conveying direction together with the raising means (5).